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Installing Wavefront Proxies   ⬙ Version 14

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Before metrics can begin streaming to Wavefront from a host or application you must add a Wavefront proxy to your installation. This article describes several methods for installing a Wavefront proxy: scripted installation and manual installation. Both methods set up a basic configuration. The scripted installation optionally allows you to install and configure a   Telegraf collector agent.

If you want to change the proxy configuration after initial installation, see   Wavefront Proxy Configuration.

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Requirements

Before installing a proxy, ensure that you have:

- A Wavefront server API URL. For example: https://<wavefront_instance>.wavefront.com/api/   .
- An account on the Wavefront system.
- A host machine that:
  - Has Internet access. Make sure that `curl <wavefront_instance>.wavefront.com/api` from this host results in some response (rather than timing out).
  - Has sufficient memory. The host machine does not need to be dedicated to running the Wavefront proxy; the proxy does not use a large amount of CPU, memory, or storage. However, we recommend running the proxy on a machine with at least 4GB

of free memory.

- Runs one of the following operating systems*:
    - Ubuntu 12.04, 14.04, 16.04
    - CentOS 6.5, 7
    - RHEL 6, 7
    - Debian 7, 8, 9, 10
    - Amazon Linux

    *If you do not see your operating system, contact   support@wavefront.com.

Wavefront offers the following alternatives for installing proxy packages and setting up a basic configuration.

Scripted Installation on a Single Host

The Wavefront application has a wizard that guides you through installing a Wavefront proxy and optionally a Telegraf collector agent and setting up a basic configuration using scripts. To access the wizard you must have   Proxy Management permission. To run the wizard:

1. Open the Wavefront application UI.
2. Select **Browse > Proxies**.
3. Select **Add > New Proxy** at the top of the filter bar. The Populate Your Data screen displays.
4. Under **WAVEFRONT PROXY**, click **Add Now ➜** - Add a Wavefront proxy and optionally a Telegraf collector agent. A script displays that runs a Wavefront CLI command to install a Wavefront proxy on your host and register with Wavefront.
5. Copy the script and run on your host.
6. When the installation completes, click **Next**. The screen reports **Found and registered <hostname>**.
7. Click **Next**. Instructions for running a script to install the Telegraf collector agent display.
8. Optionally copy the script and run on your host.
9. Click **Next**, then **Done** twice. The Proxies page displays. Verify that your proxy is listed.

You can also install and run the Wavefront CLI directly. For more information, see   Wavefront CLI.

Manual Package Installation on a Single Host

You can manually install a Wavefront proxy .rpm or .deb package available at
https://packagecloud.io/wavefront/proxy . The installation packages include an interactive
script for configuring the proxy. To install a proxy package and set up a basic configuration:

1. Run one of the scripts that set up the installation process.

2. Go to the Wavefront proxy directory created during the package installation: `cd`
   `/opt/wavefront/wavefront-proxy`

3. Run the interactive configuration script: `bin/autoconf-wavefront-proxy.sh`. The script
   prompts you for the following properties:

   - **server** - The Wavefront server API URL.

   - **token** - An API token. The token is a hexadecimal string of randomly generated alpha-
     numeric characters and dashes. For example: f411c16b-3cf7-4e03-bf1a-
     8ca05aab899d. To get a token:

     1. Log into your Wavefront account.

     2. Click the gear icon ⚙ at the top right of the task bar and click your username.

     3. In the API Access box, click **Generate** to generate an API token.

     4. Copy the token.

   - **hostname** - A name (alphanumeric plus periods) unique across your entire account
     representing the machine that the proxy is running on. The hostname is not used to
     tag your data; rather, it's used to tag data internal to the proxy, such as JVM statistics,
     per-proxy point rates, and so on.

   - **enable graphite** - Indicate whether to enable the Graphite format. See   Sending
     Graphite Data to Wavefront for details on Graphite configuration.

When the interactive configuration is complete, the Wavefront proxy configuration at
`/etc/wavefront/wavefront-proxy/wavefront.conf` is updated with the input that you provided
and the **wavefront-proxy** service is started.

Installing Proxies on Multiple Hosts

To install proxies on multiple hosts you can use Ansible. For details, see   Installing Proxies
and Agents with Ansible.

Running Proxies in a Docker Container

You can alternatively run proxies in a Docker container. For details, see   Running a Wavefront Proxy in Docker.

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